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Amendments to the Claims:

- 1. (Original) A stabilized HSA-free pharmaceutical composition comprising substantially monomeric interferon-beta (IFN-β) or biologically active variant thereof solubilized in a low-ionic-strength formulation, wherein said low-ionic-strength formulation is a solution that comprises a buffer in an amount sufficient to maintain the pH of said composition within plus or minus 0.5 units of a specified pH, where the specified pH is about 3.0 to about 5.0, said formulation having an ionic strength that is not greater than about 60 mM.
- 2. (Original) The composition of claim 1, wherein said buffer is present at a concentration of about 1 mM to about 30 mM.
- 3. (Original) The composition of claim 2, wherein said buffer is present at a concentration of about 1 mM to about 10 mM.
- 4. (Original) The composition of claim 3, wherein said buffer is present at a concentration of about 2 mM to about 7 mM.
- 5. (Original) The composition of claim 4, wherein said buffer is present at a concentration of about 2 to about 5 mM.
- 6. (Original) The composition of claim 5, wherein said buffer is present at a concentration of about 5 mM.
- 7. (Withdrawn) The composition of claim 1, wherein said specified pH is about 3.0 and wherein said buffer is glycine.
- 8. (Original) The composition of claim 1, wherein said specified pH is about 4.0 and wherein said buffer is aspartic acid.

- 9. (Withdrawn) The composition of claim 1, wherein said specified pH is about 5.0 and wherein said buffer is sodium succinate.
- 10. (Withdrawn) The composition of claim 6, wherein said specified pH is about 3.0 and wherein said buffer is glycine.
- 11. (Original) The composition of claim 6, wherein said specified pH is about 4.0 and wherein said buffer is aspartic acid.
- 12. (Withdrawn) The composition of claim 6, wherein said specified pH is about 5.0 and wherein said buffer is sodium succinate.
- 13. (Original) The composition of claim 1, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 14. (Original) The composition of claim 1, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 15. (Original) The composition of claim 1, further comprising an amount of a non-ionic tonicifying agent sufficient to render said composition isotonic, wherein said non-ionic tonicifying agent is trehalose.
- 16. (Original) The composition of claim 15, wherein said trehalose is present at a concentration of about 9% by weight per volume.

- 17. (Original) The composition of claim 15, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 18. (Original) The composition of claim 15, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 19. (Withdrawn) The composition of claim 10, further comprising an amount of a non-ionic tonicifying agent sufficient to render the composition isotonic, wherein said non-ionic tonicifying agent is trehalose.
- 20. (Withdrawn) The composition of claim 19, wherein said trehalose is present at a concentration of about 9% by weight per volume.
- 21. (Withdrawn) The composition of claim 19, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 22. (Withdrawn) The composition of claim 19, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 23. (Original) The composition of claim 11, further comprising an amount of a non-ionic tonicifying agent sufficient to render the composition isotonic, wherein said non-ionic tonicifying agent is trehalose.
- 24. (Original) The composition of claim 23, wherein said trehalose is present at a concentration of about 9% by weight per volume.

- 25. (Original) The composition of claim 23, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 26. (Original) The composition of claim 23, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 27. (Withdrawn) The composition of claim 12, further comprising an amount of a non-ionic tonicifying agent sufficient to render the composition isotonic, wherein said non-ionic tonicifying agent is trehalose.
- 28. (Withdrawn) The composition of claim 27, wherein said trehalose is present at a concentration of about 9% by weight per volume.
- 29. (Withdrawn) The composition of claim 27, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 30. (Withdrawn) The composition of claim 27, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 31. (Original) The composition of claim 1, wherein said IFN- β is the polypeptide with the amino acid sequence of mature native IFN- β or biologically active variant thereof.
- 32. (Original) The composition of claim 31, wherein said IFN- β is recombinantly produced.

- 33. (Original) The composition of claim 32, wherein said IFN-β is glycosylated or unglycosylated.
- 34. (Original) The composition of claim 33, wherein said IFN- β is unglycosylated human IFN- β (hIFN- β) or biologically active mutein thereof.
 - 35. (Original) The composition of claim 34, wherein said mutein is hIFN- β_{ser17} .
- 36. (Original) A stabilized HSA-free pharmaceutical composition comprising substantially monomeric interferon-beta (IFN-β) or biologically active variant thereof solubilized in a low-ionic-strength formulation, wherein said low-ionic-strength formulation is a solution that comprises a buffer selected from the group consisting of glycine, aspartic acid, or sodium succinate present at a concentration of about 1 mM to about 10 mM, said composition having a pH of about 3.0 to about 5.0, and wherein said formulation has an ionic-strength that is not greater than about 60 mM.
- 37. (Original) The composition of claim 36, wherein said IFN- β is recombinant human IFN- β (rhIFN- β) or biologically active mutein thereof.
- 38. (Original) The composition of claim 37, wherein said rhIFN- β or biologically active mutein thereof is unglycosylated.
 - 39. (Original) The composition of claim 38, wherein said mutein is hIFN-β_{ser17}.
- 40. (Original) The composition of claim 36, wherein said rhIFN- β is present at a concentration of about 0.01 mg/ml to about 20.0 mg/ml.

- 41. (Withdrawn) The composition of claim 36, wherein said buffer is glycine, said glycine being present at a concentration of about 5 mM, and wherein said composition has a pH of about 3.0.
- 42. (Withdrawn) The composition of claim 41 further comprising about 9% trehalose by weight per volume.
- 43. (Original) The composition of claim 36, wherein said buffer is aspartic acid, said aspartic acid being present at a concentration of about 5 mM, and wherein said composition has a pH of about 4.0.
- 44. (Original) The composition of claim 43 further comprising about 9% trehalose by weight per volume.
- 45. (Withdrawn) The composition of claim 36, wherein said buffer is sodium succinate, said sodium succinate being present at a concentration of about 5 mM, and wherein said composition has a pH of about 5.0.
- 46. (Withdrawn) The composition of claim 45, further comprising about 9% trehalose by weight per volume.
- 47. (Original) The composition of claim 36, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 48. (Original) The composition of claim 36, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.

- 49. (Withdrawn) The composition of claim 41, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 50. (Withdrawn) The composition of claim 41, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 51. (Original) The composition of claim 43, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 52. (Original) The composition of claim 43, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 53. (Withdrawn) The composition of claim 45, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 54. (Withdrawn) The composition of claim 45, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 55. (Withdrawn) The composition of claim 42, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.

- 56. (Withdrawn) The composition of claim 42, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 57. (Original) The composition of claim 44, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 58. (Original) The composition of claim 44, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 59. (Withdrawn) The composition of claim 46, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 60. (Withdrawn) The composition of claim 46, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 61. (Withdrawn) A stabilized HSA-free pharmaceutical composition comprising substantially monomeric human interferon-beta (IFN-β) or biologically active mutein thereof solubilized in a low-ionic-strength formulation, wherein said low-ionic-strength formulation is a solution that comprises glycine as a buffer, where said buffer is present at a concentration of about 2 mM to about 5 mM, said composition having a pH of about 3.0 to about 4.0, and wherein said formulation has an ionic-strength that is not greater than about 40 mM.
- 62. (Withdrawn) The composition of claim 61, wherein said rhIFN-β or biologically active mutein thereof is unglycosylated.

- 63. (Withdrawn) The composition of claim 62, wherein said mutein is hIFN-\(\beta_{\text{ser17}}\).
- 64. (Withdrawn) The composition of claim 63, wherein said buffer is present at a concentration of about 5 mM, said pH is about 3.0, and said ionic-strength is not greater than about 20 mM.
- 65. (Withdrawn) The composition of claim 61, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 66. (Withdrawn) The composition of claim 61, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 67. (Withdrawn) The composition of claim 61, further comprising about 9% trehalose by weight per volume.
- 68. (Original) A stabilized HSA-free pharmaceutical composition comprising substantially monomeric human interferon-beta (IFN-β) or biologically active mutein thereof solubilized in a low-ionic-strength formulation, wherein said low-ionic-strength formulation is a solution that comprises aspartic acid as a buffer, where said buffer is present at a concentration of about 2 mM to about 5 mM, said composition having a pH of about 3.5 to about 4.5, and wherein said formulation has an ionic-strength that is not greater than about 40 mM.
- 69. (Original) The composition of claim 68, wherein said rhIFN-β or biologically active mutein thereof is unglycosylated.
 - 70. (Original) The composition of claim 69, wherein said mutein is hIFN- β_{ser17} .

- 71. (Original) The composition of claim 68, wherein said buffer is present at a concentration of about 5 mM, said pH is about 4.0, and said ionic-strength is not greater than about 20 mM.
- 72. (Original) The composition of claim 68, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 73. (Original) The composition of claim 68, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 74. (Original) The composition of claim 68, further comprising about 9% trehalose by weight per volume.
- 75. (Withdrawn) A stabilized HSA-free pharmaceutical composition comprising substantially monomeric human interferon-beta (IFN-β) or biologically active mutein thereof solubilized in a low-ionic-strength formulation, wherein said low-ionic-strength formulation is a solution that comprises sodium succinate as a buffer, where said buffer is present at a concentration of about 2 mM to about 5 mM, said composition having a pH of about 4.5 to about 5.0, and wherein said formulation has an ionic-strength that is not greater than about 40 mM.
- 76. (Withdrawn) The composition of claim 75, wherein said rhIFN-β or biologically active mutein thereof is unglycosylated.
 - 77. (Withdrawn) The composition of claim 76, wherein said mutein is hIFN-B_{ser17}.

- 78. (Withdrawn) The composition of claim 75, wherein said buffer is present at a concentration of about 5 mM, said pH is about 5.0, and said ionic-strength is not greater than about 20 mM.
- 79. (Withdrawn) The composition of claim 75, wherein said composition is a liquid or a dried form, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 80. (Withdrawn) The composition of claim 75, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 81. (Withdrawn) The composition of claim 75, further comprising about 9% trehalose by weight per volume.
- 82. (Currently Amended) A method for increasing solubility of interferon-beta (IFN-β) or biologically active variant thereof in a pharmaceutical composition in the absence of human serum albumin, said method comprising preparing said composition with a low-ionic-strength formulation, wherein said low-ionic-strength formulation is a solution that comprises a buffer in an amount sufficient to maintain the pH of said composition within plus or minus 0.5 units of a specified pH, where the specified pH is about 3.0 to about 5.0, said formulation having an ionic strength that is not greater than about 60 mM, and incorporating said IFN-β or biologically active variant thereof into said composition, wherein said interferon-beta (IFN-β) or biologically active variant thereof within said composition is substantially monomeric.
- 83. (Original) The method of claim 82, wherein said buffer is present at a concentration of about 1 mM to about 30 mM.

- 84. (Original) The method of claim 83, wherein said buffer is present at a concentration of about 2 mM to about 5 mM.
- 85. (Withdrawn) The method of claim 84, wherein said specified pH is about 3.0 and wherein said buffer is glycine.
- 86. (Original) The method of claim 84, wherein said specified pH is about 4.0 and wherein said buffer is aspartic acid.
- 87. (Withdrawn) The method of claim 84, wherein said specified pH is about 5.0 and wherein said buffer is sodium succinate.
- 88. (Original) The method of claim 82, wherein said composition further comprises a non-ionic tonicifying agent in an amount sufficient to render said composition isotonic, wherein said non-ionic tonicifying agent is trehalose.
- 89. (Original) The method of claim 82, further comprising the step of preparing a dried form of said composition, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.
- 90. (Original) The method of claim 82, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 91. (Original) A pharmaceutical composition produced according to the method of claim 82.
- 92. (Original) A method for preparing an HSA-free pharmaceutical composition comprising substantially monomeric interferon-beta (IFN-β), said method comprising preparing

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said composition with a low-ionic-strength formulation, wherein said low-ionic-strength formulation is a solution that comprises a buffer in an amount sufficient to maintain the pH of said composition within plus or minus 0.5 units of a specified pH, wherein the specified pH is about 3.0 to about 5.0, said formulation having an ionic strength not greater than about 60 mM, and incorporating said IFN-β or biologically active variant thereof into said composition.

- 93. (Original) The method of claim 92, wherein said buffer is present at a concentration of about 1 mM to about 30 mM.
- 94. (Original) The method of claim 93, wherein said buffer is present at a concentration of about 2 mM to about 5 mM.
- 95. (Withdrawn) The method of claim 94, wherein said specified pH is about 3.0 and wherein said buffer is glycine.
- 96. (Original) The method of claim 94, wherein said specified pH is about 4.0 and wherein said buffer is aspartic acid.
- 97. (Withdrawn) The method of claim 94, wherein said specified pH is about 5.0 and wherein said buffer is sodium succinate.
- 98. (Original) The method of claim 92, wherein said composition further comprises a non-ionic tonicifying agent in an amount sufficient to render said composition isotonic, wherein said non-ionic tonicifying agent is trehalose.
- 99. (Original) The method of claim 92, further comprising the step of preparing a dried form of said composition, wherein said dried form is selected from the group consisting of a lyophilized form, an air-dried form, and a spray-dried form.

- 100. (Original) The method of claim 92, wherein said composition is an aqueous or nonaqueous solution, an aqueous or nonaqueous suspension, or a dry powder form that is suitable for delivery to a subject by pulmonary inhalation.
- 101. (Original) A pharmaceutical composition produced according to the method of claim 92.
- 102. (Original) A formulation for the diagnosis, prevention, or treatment of diseases responsive to therapy with interferon- β (IFN- β), said formulation comprising the pharmaceutical composition according to claims 1, 36, 61, 68, or 75.
- 103. (New) The composition of claim 8, wherein said aspartic acid is present at a concentration of about 2 mM.
- 104. (New) The method of claim 96, wherein said aspartic acid is present at a concentration of about 2 mM.
- 105. (New) The composition of claim 1, wherein said IFN- β is stabilized for at least 2 months at a temperature of 5°C.
- 106. (New) The composition of claim 1, wherein said IFN- β is stabilized for at least 2 months at a temperature of 30°C.
- 107. (New) The method of claim 92, wherein said IFN- β is stabilized for at least 2 months at a temperature of 5°C.
- 108. (New) The method of claim 92, wherein said IFN- β is stabilized for at least 2 months at a temperature of 30°C.